



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 2] नई दिल्ली, शनिवार, जनवरी 13, 1979 (पौष 23, 1900)  
No. 2] NEW DELHI, SATURDAY, JANUARY 13, 1979 (PAUSA 23, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Cacutta, the 13th January 1979

APPLICATION FOR PATENTS FILED AT THE  
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

7th December, 1978

1302/Cal/78. S. L. Patel. Non-pressure stove operated by any burning fuel.

1303/Cal/78. Tate Pipe Lining Processes Limited. Improvement in or relating to pipe lining vehicles. (June 7, 1978).

1304/Cal/78. Societe Des Produits Nestle S.A. Elimination of flatulent sugars from soy.

1305/Cal/78. Eisenwerk-Gesellschaft Maximilianshutte mbH. Method of improvement of the heat-balance in the refining of steel.

1306/Cal/78. L & C Steinmuller GMBH. A device for welding pipes onto pressure conveying elements especially pipe plates pressure containers or collectors. [Divisional date April 20, 1976].

8th December, 1978

1307/Cal/78. Bijon Kumar Biswas. Electric lamp (Bulb).

1308/Cal/78. N. V. Philips' Gloeilampenfabriken. Syringe.

1309/Cal/78. Australasian Training Aids Pty. Ltd. Trollies for target ranges. (December 9, 1977).

1-417 GI/78

1310/Cal/78. Metallgesellschaft A.G. Method and apparatus for cooling dustlike or fine-grained solids.

1311/Cal/78. Hoechst Aktiengesellschaft. Copper, cobalt chromium complex monoazo compounds, processes for their manufacture, their use as dye-stuffs and fiber materials dyed with these dye-stuffs.

12th December, 1978

1312/Cal/78. S. J. P. Kelson. Measuring receptacles with removable bottom.

1313/Cal/78. Stanadyne, Inc. Double-acting differential piston supply pump.

1314/Cal/78. Akzo N. V. Hydrophilic polyester fibres.

1315/Cal/78. R & Z Vermögensverwaltungsgesellschaft mbH. In vitro testing method for the diagnosis of malignant tumours.

1316/Cal/78. Trade & Industry Pvt. Ltd. Improved tea drying plant.

1317/Cal/78. Biren Das Gupta. Tubewell strainer or filter.

1318/Cal/78. Isola Soc PER AZ PER. LA Falebrecazicazione DI Iso'anti Elettrici. Method of manufacturing an unwoven web made of glass yarn and not polymerized thermosetting resins, and web provided by such a process.

1319/Cal/78. Yokogawa Electric Works, Ltd. Indicating recorder.

1320/Cal/78. M. C. Saraogi. Tubewell strainer of filter.

1321/Cal/78. M. C. Saraogi. Tubewell strainer of filter,

1322/Cal/78. Vsesojuzny Nauchno-Issledovatel'skiy Institut Po Stroitel'stvu Magistralnykh Truboprovodov and Kazakhsky Gosudarstvenny Nauchno-Issledovatel'skiy I Proektny Institut Nefti. Apparatus for continuous anamelling of tubes.

13th December, 1978

1323/Cal/78. Hazemeijer B.V. A method for switching in a phase high voltage circuit.

1324/Cal/78. Union Carbide Corporation. Process for producing particulate filler-containing resole molding compositions from aqueous dispersion.

1325/Cal/78. Maschinenfabrik Buckau R. Wolf Aktiengesellschaft. Procedure for removing SO<sub>2</sub> and/or other acid components from exhaust gases.

#### APPLICATION FOR PATENTS FILED AT THE

(DELHI BRANCH)

22nd November, 1978

834/Del/78. Dr. Siddhartha Ghosh. A process for the manufacture of chemically activated manganese dioxide.

835/Del/78. Dr. Siddhartha Ghosh. An alkaline plumbite bath and a process for the lead plating of a metal substrate in said bath.

836/Del/78. Dr. Amar Nath Chaudhary. Improved mount connection for endotracheal tubes and expiratory valve of boyle's apparatus and ambu in anaesthesia.

23rd November, 1978

837/Del/78. Carrier Corporation. System powered damper blade assembly for use in an air conditioning system.

838/Del/78. Servicios Caribe, S.A. Improvements introduced in systems for cleaning public conveyance vehicles.

839/Del/78. A/S Hoyer-Ellefsen. Ing. T. Furuholmen A/S and Ing. F. Selmer A/S. Multi-purpose marine structure.

840/Del/78. GKN Group Services Limited. Axles. (November 25, 1977).

841/Del/78. Pfizer Inc. N-(Tetrazol-5-Yl) prostaglandin carboxamides.

24th November, 1978

842/Del/78. G. Singh. Improvements in or relating to pressure control valves for use in Kerosene Stoves, burners or the like. [Addition to No. 21/Del/76].

843/Del/78. Council of Scientific and Industrial Research. Process for the preparation of 2, 5-dichlorophenol.

844/Del/78. Council of Scientific and Industrial Research. Improved process for the production of zinc phosphate using zinc carbonate. [Divisional] date July 3, 1976].

845/Del/78. Council of Scientific and Industrial Research. Process for the preparation of 2, 4, 5-trichlorophenol.

846/Del/78. Council of Scientific and Industrial Research. A process for the direct preparation of copper sulphate from ores and concentrates.

847/Del/78. Council of Scientific and Industrial Research. Technique for the preparation of granulated magnesium hydroxide.

848/Del/78. FMC Corporation. Process for preparing aliphatic diperoxydicarboxylic acids.

849/Del/78. P. Gugliemetti. Cutting tool with chip-breaking insert.

850/Del/78. Akzona Incorporated. Process for making a shapeable cellulose and shaped cellulose products.

851/Del/78. Societe Civile DE Recherches ET D'Applications Scientifiques (S.C.R.A.S.). Preparation of new indolo (2, 3-a) quinolizidines. (November 25, 1977).

25th November, 1978

852/Del/78. UOP Inc. Improvements in or relating to sent suspensions for vehicles. (November 29, 1977).

853/Del/78. Crousot-Loire and S.A. Manganese Amcor Limited (Samancor). Process for decarburising ferro-manganese.

854/Del/78. Beloit Walmsley Limited. Improvements in and relating to yankee dryers. (December 3, 1977).

28th November, 1978

855/Del/78. Alcan Research and Development Limited. Improved process for the production of aluminium. (November 28, 1977).

856/Del/78. Unie Van Kunstmestfabrieken B.V. Process and apparatus for the removal of ammonium carbamate from a ureasynthesis solution.

857/Del/78. Alcan Research and Development Limited. Improved process for the production of aluminium. (November 28, 1977).

858/Del/78. Alcan Research and Development Limited. Improved process for the production of aluminium. (November 28, 1977).

859/Del/78. M. J. Lassota. Rotary compressor.

860/Del/78. Imperial Chemical Industries Limited. Phthalazin-4-ylacetic acid derivatives. (December 29, 1977).

29th November, 1978

861/Del/78. CPC International, Inc. Preparation of high fructose syrups from sucrose.

862/Del/78. Ugine Aciers. Process for recovering acids and zirconium contained in pickling solutions.

863/Del/78. Nitro Nobel AB. Watergel explosives containing microspheres.

864/Del/78. UOP Inc. Production and recovery of linear mono-olefins.

30th November, 1978

865/Del/78. S. K. Khullar. Motor protector.

866/Del/78. Marathon Oil Company. Apparatus and method for controlling the rate of feeding a petroleum product to a coking drum system.

867/Del/78. FMC Corporation. Insecticidal perhaloalkyl-vinylcyclopropanecarboxylates and intermediates therefor.

868/Del/78. Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Direct reduction process for iron ores with floating layer system.

2nd December, 1978

869/Del/78. Dennison Manufacturing Company. Fastener stock and method and apparatus for dispensing fasteners therefrom.

870/Del/78. Ferro Corporation. Method of manufacturing a highly abrasion-resistant, acid-resistant, progelatin-enamelled coat on a metal surface.

871/Del/78. Miles Laboratories, Inc. Multilayered test device for determining the presence of a liquid sample component, and method of use.

4th December, 1978

872/Del/78. S. S. Kukreja. Improvement in or relating to water meter housing/body.

873/Del/78. Schering Aktiengesellschaft. Herbicidally active chloracetanilides, a process for their manufacture and their use.

874/Del/78. Schering Aktiengesellschaft. Process for the manufacture of 21-hydroxy-20-methyl-pregnane derivatives.

875/Del/78. Erco Industries Limited. Improved washing procedure in chlorine dioxide production. (January 3, 1978).

876/Del/78. Westinghouse Brake and Signal Company Limited. Continuous quick service valves for braking systems. (December 15, 1977).

877/Del/78. Mr. S. Singh and Mr. S. Singh. Cap sealing apparatus.

878/Del/78. Sir Padampat Research Centre, A Division of J. K. Synthetics Ltd. A process for the manufacture of black coloured nylon-6 yarn or staple fibre.

5th December, 1978

879/Del/78. Automotive Products Limited. Fluid pressure modulating valves. (January 7, 1978).

880/Del/78. Automotive Products Limited. Brake boosters. (December 15, 1977).

881/Del/78. Imperial Chemical Industries Limited. Fire resistant additive for hardenable resin compositions. (December 22, 1977).

882/Del/78. The Director, All India Institute of Medical Sciences. A preparation for the removal of warts and corns and a process for the manufacture thereof.

883/Del/78. R. Singh. A fluid regulating valve.

#### APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

10th October, 1978

300/Bom/78. P. J. Padshah. Improved mechanical damper.

13th October, 1978

301/Bom/78. C. K. Jain. A novel constructional element and method of constructing partitions, shelves and the like using these constructional elements.

16th October, 1978

302/Bom/78. S. D. Galtonde. A method of treating liquid iron with metallic magnesium to produce spheroidal graphite iron.

17th October, 1978

303/Bom/78. D. G. Gondhalekar. Improved particle size classifier cum separator.

304/Bom/78. Dr. A. Kundapur. A novel solar heater.

18th October, 1978

305/Bom/78. H. F. Maneksha. Improved, non-sabotage type, soundless, semi-telescopic system, for all sizes expansion gaps of any rail track joint.

20th October, 1978

306/Bom/78. S. S. Maniyar, Y. J. Khavnekar and Dr. C. L. Mehrotra. Stand-cum-indicator for a domestic gas cylinder incorporating a warning arrangement.

307/Bom/78. M/s. Camphor & Allied Products Limited. An improved process for the preparation of acetylenic alcohols.

308/Bom/78. The Ravlgaon Sugar Farm Limited. An apparatus for extracting pol and fibre content of sugar cane and/or bagasse.

21st October, 1978

309/Bom/78. B. B. Waliinbe. Improvements in or relating to curtains.

310/Bom/78. D. Joshi and P. Dixit. A process for the manufacture of patterns, symbols, letters, and designs.

26th October, 1978

311/Bom/78. D. V. Poy Raiturker. A rotary engine driven by diesel or gasoline.

312/Bom/78. Dr. S. K. Sanghani. Mechanical substitute for the pneumatic tube of tyre of road-side vehicles.

27th October, 1978

313/Bom/78. Dr. S. K. Sanghani. A design for a folding and portable bicycle with an unique locomotion system.

314/Bom/78. P. V. Varde and Varde Engineering Company Private Limited. Improved unit head.

315/Bom/78. P. V. Varde and Varde Engineering Company Private Limited. Process and tooling for cross drilling of holes in a burner head and similar objects.

316/Bom/78. H. G. Kelkar. Adjustable unidirectional clutch.

317/Bom/78. H. G. Kelkar. Adjustable unidirectional single phase preventor.

28th October, 1978

318/Bom/78. H. G. Kelkar. A novel drive unit.

319/Bom/78. Capt. O. P. Sehgal. A new rail joint.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

4th December, 1978

224/Mas/78. Dr. P. S. Srinivasan, C. Velayudhan and Prof. P. K. Charlu. Contactless three phase resistance controller for alternating current three phase slipring induction type electric motor.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The Classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India). Requisition for the supply of the printed specification should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed

copying charges which may be ascertained on application to that office.

CLASS 32F, & F<sup>2a</sup> & F<sup>2b</sup> & F<sup>2c</sup>.  
Int. Cl. C07c 155/08.

145874.

# PREPARATION OF ESTERS OF THIOCARBAMIC ACIDS INVOLVING USE OF PHASE TRANSFER CATALYSTS.

*Applicant*: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

*Inventor*: HAROLD MAHONRAI PITT.

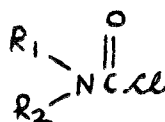
Application No. 1360/Cal/77 filed September 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 Claims.

A process for the preparation of esters of thiocarbamic acids which comprises:

(a) reacting a carbamyl chloride having the structural formula of figure 2.



wherein R<sub>1</sub> and R<sub>2</sub> independently represent alkyl, having from 1 to 12 carbon atoms inclusive; alkenyl, having at least 1 double bond and from 2 to 8 carbon atoms inclusive; haloalkyl, having from 1 to 12 carbon atoms, inclusive; where halo is chloro, fluoro, or bromo; cyano-substituted alkyl, having 2 to 6 carbon atoms, inclusive; alkynyl, having at least one triple bond and from 3 to 6 carbon atoms, inclusive, for example, propargyl, isobutynyl, and the like; cyclohexenyl; haloalkenyl, having from 2 to 8 carbon atoms, inclusive, where halo is chloro, fluoro, or bromo; benzyl; substituted-benzyl, in which the substituents are, for example; chloro, lower alkoxy having 1 to 4 carbon atoms, inclusive, cyano, nitro and trifluoromethyl; haloalkoxy, having 1 to 8 carbon atoms, inclusive, where halo is chloro, fluoro, or bromo, alkoxy, having 1 to 8 carbon atoms, inclusive; alkenyloxy, having at least 1 double bond and from 2 to 8 carbon atoms inclusive; nitroalkoxy, having 1 to 6 carbon atoms, inclusive; phenyl; substituted phenyl, in which the substituents are, for example: chloro, bromo, nitro, cyano, alkoxy having 1 to 4 carbon atoms, inclusive, phenyl and the like; phenoxy-substituted alkyl, in which alkyl has from 1 to 4 carbon atoms, inclusive; naphthyl; furfuryl, tetrahydrofurfuryl; cycloalkyl, having from 3 to 7 carbon atoms, inclusive; heterocyclic oxygen, nitrogen or sulfur-containing ring groups, for example pyridyl, thienyl, furyl, pyranyl, pyrimidinyl, indolyl, quinolyl, isothiazolyl, piperidyl, piperazinyl, morpholinyl and the like; alkyl-substituted pyridyl, where alkyl has from 1 to 4 carbon atoms, inclusive; and R<sup>1</sup> and R<sup>2</sup> taken together with the nitrogen to which they are attached represent heterocyclic groups, e.g. pyrrol, pyrrolidinyl, pyrazolyl, pyrazolinyl, piperidinyl, imidazolyl, indolyl, β-methylindolyl, aziridinyl, carbazolyl, morpholinyl, 3-azabicyclo-[3.2.2] nonanyl-3, polyalkylenimine having 3 to 6 carbon atoms, inclusive, alkyl-substituted piperidine, for example 5-ethyl-2-methyl piperidine; with a mercaptan of formula RSH wherein R represents alkyl, having 1 to 12 carbon atoms, inclusive; haloalkyl, having 1 to 12 carbon atoms, inclusive, preferably chloro- or bromo-substituted alkyl alkylthioalkylene having a total of from 2 to 10 carbon atoms, inclusive; alkoxyalkylene, having a total of from 2 to 10 carbon atoms, inclusive cycloalkyl, having 3 to 7 carbon atoms, inclusive; alkenyl, having at least 1 triple bond and from 2 to 8 carbon atoms, inclusive; alkynyl, and from 3 to 6 carbon atoms, inclusive, for example: isobutynyl, 3-methyl-butyn-(1)yl (3); phenyl; naphthyl; benzyl; α-alkyl benzyl, in which the alkyl has 1 to 4 carbon atoms, inclusive; substituted phenyl wherein the substituents include alkoxy having 1 to 4 carbon atoms, inclusive, nitro, chloro, trifluoro, methyl, for example: o-methoxy, m-butoxy, p-nitro, 3, 4-dinitro, 2,4, dinitro; substituted naphthyl, wherein said

substituents include alkoxy, nitro, chloro, bromo, trifluoromethyl; haloalkenyl, in which alkenyl has 2 to 6 carbon atoms, inclusive, and halo is chloro, bromo, iodo, or fluoro, for example, 2, 3-dichloroallyl, 3, 4, 4-trifluoro-3-butenyl, 2-bromoallyl, and the like; cyclohexenyl; substituted benzyl, wherein the substituents are, for example: chlorine, bromine, fluorine, methyl-p-methyl, o-methyl, 2, 4-dimethyl, 2, 6-dimethyl, 2, 4-dichloro, 3, 4-dichloro, ar, ar, ar-trichloro, 5-chloro-2-methoxy, nitro; carboalkoxyalkyl, having from 2 to 8 carbon atoms, inclusive; phenyl thioethyl; phenyl oxyethyl; pyrimidinyl pyridyl; indazolyl; quinolyl; isoquinolyl; furyl; and dibenzofuryl; in the presence of:

- (i) an aqueous solution of caustic agent and
- (ii) a catalytic amount of a phase transfer catalyst such as herein defined.
- (b) separating the organic and aqueous phases; and
- (c) recovering the thiocarbamic acid ester from the organic phase.

CLASS 83A, & A<sup>2</sup>.  
Int. Cl. A23j 1/10.

145875.  
145875.

# METHOD FOR THE PREPARATION OF WATER-SOLUBLE KERATINACEOUS PROTEIN.

*Applicant*: CHEMETRON CORPORATION, OF 111 EAST WACKER DRIVE CHICAGO, ILLINOIS 60601 UNITED STATES OF AMERICA.

*Inventors*: SHAKEEL HAFIZUDDIN KADRI, WILLIAM MERRILL ALLEN AND JOHN HANZ PIKEL.

Application No. 1595/Cal/77 filed November 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A method for the preparation of a water-soluble keratinaceous protein, said method comprising the step of hydrolyzing the keratin source with saturated steam at a pressure of from about 50 to about 250 p.s.i.g. and from about 6.5 to about 30 parts of liquid water per part of the keratin source, by weight, at the temperature of saturated steam at the pressure employed.

CLASS 32F<sup>2c</sup> & 55D<sup>2</sup>.

145876.

Int. Cl. C07f 9/06; 9/08; 9/24 & A01n 9/12; 9/36.

# IMPROVEMENTS IN PROCESS FOR THE PREPARATION OF 2-DIETHOXYPHOSPHINYLI-MINO-1, 3-DITHIETANE.

*Applicant*: AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

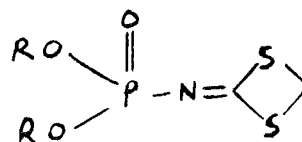
*Inventors*: MURRAY GARBER & DAVID WILLIAM REGER.

Application No. 1596/Cal/77 filed November 9, 1977.

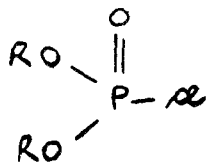
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

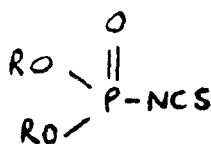
A process for the preparation of a compound of the formula V.



wherein  $R$  is  $C_1-C_4$  alkyl; comprising the following steps  
(1) reacting one molar equivalent of a compound of the formula VI.

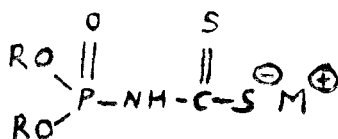


wherein  $R$  is as above defined, with a 1.0 to 1.2 molar equivalent of a thiocyanate consisting of sodium-, potassium or ammonium thiocyanate at a temperature range of  $5^\circ\text{C}$ . to  $30^\circ\text{C}$ . to obtain a compound of the formula VII.



145876.

wherein  $R$  is as above defined; (2) reacting the thus-formed compound without isolation from the above-said reaction mixture and in the presence of same with a 1.1 to 1.2 molar equivalent of sodium or potassium hydro-sulfide in a water : acetone solvent system wherein the ratio of water : acetone is established in the range of 1 : 3 to 1 : 9 at a temperature range of  $5^\circ\text{C}$  to  $30^\circ\text{C}$ . to obtain a compound of the formula VIII.



wherein  $R$  is as above defined and  $M$  is an alkali metal, and (3) characterized by reacting the thus-formed compound in said water; acetone solvent system and in the presence of the reaction media with a one to 2 molar equivalent of a methylene halide consisting of methylene bromide or methylene iodide in the presence of a 1 to 2 molar equivalent of an alkali metal bicarbonate at a temperature of  $25^\circ\text{C}$ . to  $35^\circ\text{C}$ .

CLASS 128K.

Int. Cl.-A61b 17/04.

145877.

## A NEEDLE-SUTURE COMBINATION.

*Applicant* : ETHICON, INC., AT SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor* : WALTER MCGREGOR.

Application No. 530/Cal/75 filed March 18, 1975.

Addition to No. 1144/Cal/73.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A needle-suture combination comprising a needle having a sharp end and a blunt end and having an opening in said blunt end; and a suture, one end of which is received within said opening with the remainder of said suture extending outwardly of said blunt end, said blunt end of said needle being swaged to the extent that the diameter of the received end of said suture is compressed to from 62% to 75% of its original diameter and said needle-suture combination is characterized by a suture pullout value of from 3 to 26 ounces.

CLASS 15A.

Int. Cl.-F16c 17/04.

145878.

## IMPROVEMENTS IN OR RELATING TO BEARINGS FOR RAILWAY VEHICLE AXLES.

*Applicant* : VANDERVELL PRODUCTS LIMITED, OF NORDEN ROAD, MAIDENHEAD, BERKSHIRE, ENGLAND.

*Inventors* : JOSEPH HENRY HILL AND DAVID FREDERICK GREEN.

Application No. 809/Cal/76 filed May 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A bearing for a railway vehicle axle comprising a metal block having a part cylindrical recess extending along one face of the block between opposed and faces of the block, a journal bearing liner extending along said recess to support the axle for rotation, a radiused corner on the block between the recess and at least one end face of the block a thrust plate secured to that end of the block and a curved flange on the thrust plate or the bearing liner overlying the radiused corner.

CLASS 132C &amp; 173B.

Int. Cl.-B67d 5/56.

145879.

## IMPROVED CLOSED MIXING SYSTEM FOR TENDING AGRICULTURE SPRAYERS.

*Applicant* : SOILSERV, INC., OF 1427 ABBOTT STREET, SALINAS, CALIFORNIA, STATE OF CALIFORNIA 93901, UNITED STATES OF AMERICA.

*Inventors* : JACK CURTIS BOLTON AND FRANKLIN LEROY ALEXANDER.

Application No. 1447/Cal/76 filed August 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A closed agricultural chemical batching, measuring and mixing system with a vehicle such as a sprayer tending truck provided with an internal combustion engine, said system comprising a measuring tank; gauge means for indicating the amount of liquid in the measuring tank; a plurality of liquid chemical supply containers each adapted to contain a liquid chemical; means for providing fluid communication between each of the liquid chemical supply containers and the measuring tank; valve means interposed in the providing means and adapted to control the flow of liquid chemicals from each of the liquid chemical supply containers to the measuring tank; and means for connecting the measuring tank to the intake manifold of the internal combustion engine to draw preselected amounts of the selected chemicals to create a partial vacuum in the measuring tank and thereby ed by the valve means in sequence from the containers and into the measuring tank and simultaneously render the chemical vapors formed in the measuring tank substantially nontoxic in the internal combustion engine.

CLASS 31-A.

Int. Cl. H05b 9/04.

145880.

## METHOD AND APPARATUS FOR PREPARING A CAPACITOR.

*Applicant* : MCGRAW EDISON COMPANY, OF 333 WEST RIVER ROAD, ELGIN, ILLINOIS, UNITED STATES OF AMERICA.

*Inventors* : JOHN LAPP & JOHN ROBERT WILLY.

Application No. 1682/Cal/76 filed September 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method of preparing a capacitor having an outer casing containing a polymeric dielectric material and electrically conductive layers, comprising the steps of degassing a dielectric liquid to remove gas therefrom, subjecting the interior of the casing to sub-atmospheric pressure of 100 microns or less to evacuate the same, introducing the degassed dielectric liquid while maintaining the temperature below  $60^\circ\text{C}$

into the casing when the sub-atmospheric pressure is reduced below a predetermined value to impregnate the dielectric material, maintaining the dielectric material at a temperature below 60°C during the steps of evacuating the casing and impregnating the dielectric material until dielectric properties reach a predetermined value and thereafter sealing the casing.

CLASS 129-G. 145881.  
Int. Cl. C22f 1/14.

#### METHOD OF PREPARING NOZZLE PLATE.

*Applicant*: NITTO BOSEKI CO., LTD. OF 1, AZA HIGASHI, GONOME, FUKUSHIMA-SHI, JAPAN.

*Inventors*: ISAO WAKASA, (2) TOSHIO NOJI, & SUMIKO TAKAHASHI.

Application No. 1784/Cal/76 filed September 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A method of preparing a nozzle plate for spinning glass fibers comprising:

melting an alloy consisting of from 82 to 92 per cent by weight platinum, from 3 to 10 per cent by weight gold, and from 3 to 12 per cent by weight palladium, under vacuum in an alumina crucible to produce an ingot; rolling the ingot into a nozzle plate blank of a predetermined thickness, and forming designed number of nozzle holes in the nozzle plate blank.

CLASS 6B<sub>3</sub>. 145882.  
Int. Cl. B01d 45/00 50/00.

#### PROCESS FOR THE SEPARATION OF DRY PARTICULATE MATTER FROM A HOT GAS.

*Applicant*: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

*Inventor*: NJAL VIGESDAL.

Application No. 329/Del/77 filed October 19, 1977.

Convention date October 21, 1976(43713776) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

15 Claims.

A process for the separation of dry particulate matter from a hot gas containing molten slag droplets and/or solid particles in which the gas is first cooled to a temperature in the range from 50 to 500°C- at least part of the cooling action being implemented by injecting a cooling liquid and a cooling gas into the hot gas; the greater part of the particulate matter is then removed from the gas by means of at least one cyclone and the gas is subsequently scrubbed with water-an aqueous suspension of particulate matter is used as the said cooling liquid and part of the purified product gas obtained after the said scrubbing is used as the said cooling gas.

CLASS 154H. 145883.  
Int. Cl. D06p 5/00.

#### PROCESS OF PREPARING IMPROVED PRINTING PASTES FOR TEXTILES.

*Applicant*: AHMEDABAD TEXTILE INDUSTRYS RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD 380015, GUJRAT, INDIA.

*Inventors*: SHRI JAGADISH CHANDRA RAMANLAL MODI, & SHRI SURYAKANT SHIVSHANKER TRIVEDI.

Application No. 336/Bom/75 filed November 24, 1975.

Complete Specification Left. October 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A process for preparing an improved printing paste for white and coloured resists printing under reactive dyes on textiles, comprising incorporating in a printing composition of the type described herein, without or with a colour, according as it is for white resist or coloured resist printing, a resisting agent, being at least one of the compounds selected from the group consisting of chloroacetic acid, sulphamic acid, acid salts of sulphamic acid, phosphoric acid, ammonium, zinc, calcium, magnesium and aluminium.

CLASS 154-H. 145884.  
Int. Cl. D06p 5/00.

#### PROCESS FOR PREPARING IMPROVED PRINTING PASTES FOR TEXTILES.

*Applicant*: AHMEDABAD TEXTILE INDUSTRYS RESEARCH ASSOCIATION, OF P.O. POLYTECHNIC, AHMEDABAD-380015, GUJARAT, INDIA.

*Inventors*: SHRI SURYAKANT SHIVSHANKAR TRIVEDI & SHRI JAGDISH CHANDRA RAMANLAL MODI.

Application No. 337/Bom/75 filed November 24, 1975.

Complete Specification Left. October 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims. No drawings.

Process for preparing an improved printing paste for white and coloured resist printing under ingrain colours on textiles, comprising incorporating in a printing composition of the kind described herein without or with a colour, according as it is for white resist or coloured resist printings, as resist agent at least one compound selected from the group consisting of sulphamic acid, phosphoric acid, acid salts of sulphamic acid and of phosphoric acid.

CLASS 56C, & 56D. 145885.  
Int. Cl. C13g 1/00.

#### CONTINUOUS VACUUM PAN FOR SUGAR INDUSTRY.

*Applicant & Inventor*: DR. BIRAJA BILASH PAUL, OF GALAXY APARTMENTS, 5TH FLOOR, 239-A, BYRAMJEE JEEJIBHOY ROAD, BANDRA, BOMBAY-400 050, MAHARASHTRA, INDIA.

Application No. 7/Bom/76 filed January 7, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A continuous vacuum pan for sugar industry consisting of three concentric calendrias (13, 14, 15, Fig. 1) each one completely segregated from the others at the bottom and side and each said calendria is having its own downtakes (24, 26, 28, Fig. 1) for circulation and overflow gutters (16, 18, Fig. 1) and feeding arrangements (3, 17, 19, Fig. 1) also having single steam entry (6, Fig. 1) at the centre at the top which is jacketted and steam flows from the centre to the periphery through jacketted radial vertical slits (30, Fig. 1) to all three calendrias in a uniform pattern, the partition walls (31, and 32 Fig. 1) between the calendrias, which segregate the massecuite flow from the one calendria to the other in such a manner that only overflow of massecuite from one calendria can pass to the next calendria vertically downward and then in a concentric manner from periphery to centre through the grooves provided in the calendria whereas due to the central position of the steam inlet the steam flow pattern is from centre to the periphery.

CLASS 145C. 145886.  
Int. Cl. D21h 1/00.

#### A PROCESS FOR THE MANUFACTURE OF PARTICLE BOARDS FROM COTTON PLANT STALKS.

*Applicant* : THE INDIAN COUNCIL OF AGRICULTURAL RESEARCH, ADENWALA ROAD, MATUNGA, BOMBAY-400019, MAHRASHTRA, INDIA.

*Inventors* : DR. SHRI NATH PANDEY, (2) SHRI ANIL KUMAR MEHTA, & SHRI HARI VYANKATESH TAMHANKAR.

Application No. 327/Bom/77 filed November 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims. No drawings.

A process for the manufacture of particle boards using cotton plant stalks which comprises the steps of spraying the particulate material, obtained from cotton plant stalks such as herein described, with aqueous urea-formaldehyde resin solution binder and a catalyst containing 4-5%  $\text{NH}_4\text{Cl}$  by weight of the resin, followed by drying the coated particles in the moisture range 25-30%, cold pressing to form a mat and finally pressing under pressure of 20-25  $\text{kg/cm}^2$  and at a temperature between 140-170°C.

CLASS 89. 145887.  
Int. Cl. F17c 13/02.

A DEVICE FOR REGULATING AND INDICATING CONSUMPTION OF GAS.

*Applicant* : CMC INVENTION INSTRUMENTS CO., OF KISHAN BHAWAN, 2897 SIRKI WALAN, HAUZ QAZI, DELHI-110006, INDIA, AN INDIAN PARTNERSHIP FIRM OF WHICH THE PARTNERS ARE CHANDRA MOHAN, SURINDER MOHAN & MRS. CHETNA GARG, ALL OF INDIAN NATIONALITY AND ALL OF ABOVE ADDRESS.

*Inventor* : YERAM GOPAL.

Application No. 1908/Cal/75 filed October 3, 1975.

Complete Specification Left. January 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A device for regulating and indicating consumption of domestic gas, which device consists of a hollow container adapted to contain a predetermined quantity of gas, said container being provided with an inlet means adapted to be connected to a gas supply source and an outlet means adapted to be connected to consumption device; automatically regulating means for regulating the flow of gas from the supply source into the container said regulating means comprises of a shaft one end of which is provided with a nozzle like opening through which gas from the source can enter into the device and snugly mounted on the outer wall of the inlet end of the container the end of the shaft extending into the said container is fitted with a piston having pin holes extending from the circumference thereof upto the nozzle like openings in the said extended shaft, a solid shaft fitted with a coiled spring rests on the said piston at one end and extends coaxially with the first mentioned shaft and rests in the opening in the wall diametrically opposite to the inlet opening, said first mentioned shaft is provided with an inclined groove wherein is provided a resiliently held valve; and an indicator having an arm extending upto and coaxially in alignment with the said solid shaft, when the pressure is built up by the entry of gas said piston is pushed towards the other end of the container and pushes out the said shaft through the opening in the wall diametrically opposite to the inlet end and strikes against the arm of the indicator which records the unit of the gas expelled from the supply source.

CLASS 33F. 145888.  
Int. Cl. B22c 9/22.

FOUNDRY MOULD FOR PRODUCING CAST IRON DIAPHRAGMS REINFORCED WITH STEEL BLADES FOR STEAM TURBINE USE.

*Applicant* : PROIZVODSTVENNOE OBIEDIENIE TURBOSTROENIA "LENINGRADSKY METALLICHESKY ZAVOD" OF LENINGRAD, SVERDLOSKAYA NABEREZHNYAYA, 18, U.S.S.R.

*Inventors* : MIKHAIL VASILIEVICH ZOTOV, (2) PETR VASILIEVICH BELOV, (3) ANATOLY FEDOROVICH PAVLOV, (4) VLADIMIR VASILIEVICH MERKULOV.

Application No. 452/Cal/76 filed March 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A foundry mold for producing iron case diaphragms reinforced with steel blades for steam turbine use, said mold comprising a bottom flask and a top flask with a shower gate system formed by a runner and feeding gates communicating with said runner to provide a decentralized supply of metal, each of said flasks has in its cross-section an outline of an outer and inner rims and on being interconnected form a cavity accomodating a core with steel blades molded therein, the core width being essentially equal to the passage cross-section of the diaphragm, said core defining the cavities for molding said outer and inner rims, and being provided with at least two connecting passages arranged in the zone of maximum cooling of the casting and interconnecting the cavities for molding the outer and inner rims, of which each said cavity communicates with the feeding gates.

CLASS 28-C & F. 145889.  
Int. Cl. F23d 11/36.

A MAIN BURNER OIL GUN IN WHICH HARD TO IGNITE LIQUID FUELS CAN BE BURNED.

*Applicant* : COMBUSTION ENGINEERING, INC. OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventors* : DONALD ARTHUR SMITH AND JOHN JOSEPH MARSHALL.

Application No. 1374/Cal/76 filed August 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A main burner oil gun in which hard to ignite liquid fuels can be burned comprising a housing, and an air inlet duct for supplying combustion air leading to the housing, the main burner oil gun having a tip with a plurality of discharge openings for supply of oil to the furnace in the shape of a hollow conical curtain, said openings permitting the discharge of oil into the furnace, a baffle member disposed transverse to the said oil gun in the form of a diffuser and surrounding the tip of the oil gun, such that eddy currents of air are formed in the furnace near the said tip of the oil gun whereby eddy currents break through the curtain of fuel and form a recirculation zone having an inner edge inside the conical curtain flowing back to a point directly in front of the tip of the oil gun pipe and a high energy spark igniter positioned within the conical curtain in the furnace along the inner edge of the recirculation zone.

CLASS 39-G. 145890.  
Int. Cl. C01g 23/02.

A PROCESS FOR PRODUCING TITANIUM TETRACHLORIDE FROM TITANIUM OXIDE-BEARING MATERIAL.

*Applicant* : QUEBEC IRON AND TITANIUM CORPORATION-FER ET TITANE DU QUEBEC, INC. OF P.O. BOX 560, SOREL, PROVINCE OF QUEBEC, CANADA.

*Inventor* : MICHEL GUEGUIN.

Application No. 447/Cal/77 filed March 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 13 Claims.

A process for the production of titanium tetrachloride from titanium oxide-bearing slag or similar raw material containing also  $\text{CaO}$ ,  $\text{MgO}$ ,  $\text{SiO}_2$  and  $\text{Al}_2\text{O}_3$  in the proportions of 0.8, 5.1, 5.2 and 5.5 percent by weight, respectively said process comprising the steps of: grinding the material into a fine powder and admixing the powder with fine bituminous coking coal in a ratio of 2 : 1 and 0.25 to 1.0 percent of a suitable water soluble binder therefor; pelletizing the mixture into grains of a size ranging from  $-28$  to  $+100$  mesh; coking the grains to carbonize them at a temperature upto  $900-950^\circ\text{C}$ . to impart to the grains a strength ranging from 300 to 600 grams per millimeter of diameter, depending on the type and amount of binder; and subjecting the resulting grains to chlorination with chlorides including  $\text{CaCl}_2$  and  $\text{MgCl}_2$  in a fluidized bed at a temperature between  $500$  and  $800^\circ\text{C}$ , whereby the resulting unreacted solids in the starting grains are almost free of  $\text{TiO}_2$ , containing substantially all of the  $\text{Al}_2\text{O}_3$  and  $\text{SiO}_2$  in the grains, and are evacuated with the chloride vapors and  $\text{CO}_2$  from the fluidized bed as dry dust or as smaller size granules.

CLASS 16D. 145891.  
Int. Cl. G01g 7/00.

## IMPROVEMENTS IN OR RELATING TO A SONAR SYSTEM.

*Applicant* : THOMSON-CSF, OF 173, B1. HAUSSMANN 75008 PARIS, FRANCE.

*Inventors* : CHALARON FRANCOIS, & LANSON DANIEL.

Application No. 346/Del/77 filed October 25, 1977.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Delhi. Branch.

## 4 Claims.

A sonar system comprising an antenna for transmitting and receiving acoustic waves which includes a group of electro-acoustic transducers, circuits for forming N channels which respectively emit N signals which are representative of the sound level received by the said antenna from N sectors of space at a given instant, an arrangement for processing each of the N channel signals, and a means for displaying the processed channel signals on a screen, characterised in that the said system further includes a selecting arrangement connected between the said processing arrangement and the said display means, in which a selection is made from amongst the said N channel signals of the signal whose energy level is of the highest value, the other N-1 signals being eliminated.

CLASS 36A<sub>1</sub> & A<sub>3</sub>. 145899.  
Int. Cl. C07c 81/00.

## A SYNTHETIC METHOD FOR THE PRODUCTION OF 2-CHLORO-2-METHYL-1-NITROSOPROPANE.

*Applicant* : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

*Inventors* : DR. DEBABRATA CHOUDHURY, (2) KAILASH CHANDRA SAH.

Application No. 583/Cal/77 filed April 16, 1977.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

Process for the production of 2-chloro-2-methyl-1-nitrosopropane by reacting isobutylene with nitrosyl chloride wherein nitrosyl chloride is produced in situ by bringing together in a reactor, isobutylene, butylnitrite and hydrochloric acid, the reaction being carried out at  $-10^\circ$  to  $20^\circ\text{C}$  using cooled reactants and continuously cooling the reactor.

CLASS 32F<sub>2c</sub>. 145893.  
Int. Cl. C07c 77/00.

## PROCESS FOR THE PRODUCTION OF BUTYL NITRITE.

*Applicant* : UNION CARBIDE INDIA LIMITED, OF 1, MIDDLETON STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

*Inventors* : DR. DEBABRATA CHOUDHURY & KAILASH CHANDRA SAH.

Application No. 584/Cal/77 filed April 16, 1977.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A process for the production of butyl nitrite characterised in that n-butyl alcohol is reacted with sodium nitrite in the presence of concentrated hydrochloric acid, (32 percent w/w) reaction temperature being maintained between  $-2^\circ$  and  $-10^\circ\text{C}$ .

CLASS 36A<sub>1</sub> & A<sub>3</sub>. 145892.  
Int. Cl. F04d 1/00; 29/28; 29/40.

## CENTRIFUGAL PUMP.

*Applicant* : OY E. SARLIN AB. OF KAIVOKSELA, FINLAND.

*Inventor* : HANNU SARVANNE.

Application No. 210/Cal/76 filed February 6, 1976.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Centrifugal pump intended for pumping liquids containing heavy solids, such as sand and provided with a turbulent flow impeller on the surface of which, facing the pump housing there have been formed comparatively shallow, mainly radial vanes, characterised in that the pump housing has been shaped to be a cone opening towards the impeller that the impeller has been shaped to be conical so that its body is mainly cup-shaped, and that the diameter of the impeller is substantially smaller than the diameter of the housing a conical free space is formed.

CLASS 113-I. 145895.  
Int. Cl. B60g 3/00; 1/00; F21m 3/00.

## LAMP ASSEMBLY.

*Applicant* : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

*Inventor* : STANLEY GREEN.

Application No. 463/Cal/76 filed March 17, 1976.

Convention date April 1, 1975 (13307/75) U.K.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims.

A lamp assembly comprising a hollow body including a colourless lens, a reflector within the hollow body, a bulb-holder for mounting a bulb in the body, a coloured filter element mounted in said body so as to cover said bulb in use, characterised in that said lamp assembly includes a neutrally coloured light-absorbing material incorporated into said coloured filter element or provided as a layer on or over a surface of said filter element remote from said bulb.

CLASS 36A<sub>1</sub> & A<sub>3</sub>. 145896.  
Int. Cl. F04c 1/00.

## CENTRIFUGAL PUMP.

*Applicant* : OY E. SARLIN AB. OF KAIVOKSELA, FINLAND.

*Inventor* : HANNU SARVANNE.

Application No. 719/Cal/76 filed April 26, 1976.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.



## 5 Claims.

Centrifugal pump consisting of an electric motor and an impeller mounted on its shaft and of a pump housing said electric motor being provided with cooling liquid circulation passages in connection with the impeller for the purpose of conducting the motor heat to the impeller and thence further into the liquid that is being pumped, characterised in that the circulation passages open in pairs against the rear face of the impeller forming partly open junctures so that the impeller in its rotation imparts to the cooling liquid a movement at the junctures in the direction of its rotation, from one passage into the next.

CLASS 76B & 195D. 145897.  
Int. Cl. F16k 1/00.

## CLAMP FOR REGULATING FLUID FLOW THROUGH PLASTIC TUBING.

*Applicant & Inventor* : MARVIN ADELBERG, OF 4043 CODY ROAD, SHARMAN OAKS, CALIFORNIA 91403, UNITED STATES OF AMERICA.

Application No. 1983/Cal/76 filed November 1, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

In a clamp for regulating fluid flow through plastic tubing having a body portion with a longitudinal clamping surface, a variable cross-section longitudinal channel being formed in or along said surface and a roller wheel mounted in said body for longitudinal motion parallel to said clamping surface the tubing being clamped between the roller wheel and said surface, the improvement comprising :

a plurality of distributed raised portions separated from each other by discrete valley formed in said clamping surface for locally gripping the tubing wall at given locations, the height of said raised portions above the lowest point of said valley portions and the separation between said raised portions having magnitudes of the order of the compressed wall thickness of the tubing, thereby constraining the tubing so as to reduce creep thereof.

CLASS 40F & 70B & 144A & 188. 145898.  
Int. Cl. B05c 1/00; B01j 1/00.

## APPARATUS FOR THE PRODUCTION OF PROTECTIVE COATING FOR GRAPHITE ELECTRODES.

*Applicant* : DSO "CHERNA METALURGIA" OF BOTUNETZ, SOFIA, BULGARIA.

*Inventors* : VASSIL GEORGIEV PEEV, (2) ALEXANDER YORDANOV VALCHEV, (3) EMIL PANTALEEV NINOV, (4) TODOR YANKOV KOYCHEV, (5) YORDAN IVANOV KRESTENYAKOV, (6) HRISTO NENCHEV PARASHKEVOV, (7) AVEDIS MARDIK DER-SARKISYAN, (8) HRISTO KRUMOV LYUBENOV, (9) BORIMIR NANOV NENOV, (10) IVAN VASSILEV GENEV.

Application No. 212/Cal/76 filed February 6, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

An apparatus for the production of protective coating onto graphite electrodes, comprising a body with guiding parallels and a fixed headstock with spindle, a loose headstock with tail spindle and a longitudinal slide rest with lead screw, wherein onto the longitudinal slide rest there are disposed several transversal slide rests, onto which there are attached devices for cleaning the surfaces of the graphite electrodes, a head for electric-arc treatment, an electric metal spraying gun for applying aluminium by spraying in a molten state, a sprayer for applying a suspension of powdered alloying

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substances, a sprayer for applying a graphite suspension, and a grinding device, this apparatus having one main motor with constant revolutions, which is kinematically rigidly connected, in a known way by means of two gearboxes to the spindle and the lead screw of the longitudinal slide rest, and the entire apparatus is disposed inside a noise-absorbing booth.

CLASS 39-C & 130-I. 145899.  
Int. Cl. C22b 55/00.

## A PROCESS FOR THE PREPARATION OF AMMONIUM VANADATE FROM SLUDGE OF ALUMINA INDUSTRY.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-1, INDIA.

*Inventors* : RAVINDRA SINGH THAKUR, (2) JALASUTRAM MURALIDHAR, (3) BIBHUPADA MOHANTY & BHARAT RAMKRISHNA SANT.

Application No. 1546/Cal/76 filed August 23, 1976.

Complete Specification Left. June 17, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 2 Claims. No drawings.

An improved process for the preparation of ammonium vanadate from vanadium sludge of alumina industry characterised in that the sludge is treated with water, hydrochloric acid and ammonium chloride to obtain a vanadium-rich residue, treating the said residue with a solution of sodium carbonate to dissolve vanadium into a solution, precipitating the vanadium as ammonium vanadate by the addition of hydrochloric acid and ammonium chloride, filtering and drying the resulting product to obtain pure ammonium vanadate.

CLASS 27-L. 145900.  
Int. Cl. E04c 1/00.

## CONCRETE FORM FOR CASTING IN PLACE A CONCRETE STRUCTURE.

*Applicant & Inventor* : ROBERT KELSO STOUT, OF STOUT-BILT CONSTRUCCIONES, NIZZA 12, PISO 50, MEXICO 6, D.F. MEXICO, UNITED STATES OF AMERICA.

Application No. 185/Cal/77 filed February 9, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A concrete form for casting-in-place a concrete structure comprising a plurality of metallic form members interconnected so as to define a planar form surface having a plurality of spaced, parallel elongated depressions so as to form a planar concrete structure which is reinforced by spaced, unitary, parallel strips of concrete, said plurality of metallic form members including planar forms extending between said depressions, each said planar form comprising a flat metallic sheet having a peripheral reinforcing flange including apertures therein, and elongated U-shaped forms defining the depressions, each said U-shaped form comprising two mirrored sections, of generally S-shaped configuration each S-shaped section being of unitary construction and including peripheral flanges having openings to accept means for removably securing the forms together.

## OPPOSITION PROCEEDINGS

The application for Patent No. 136721 made by Archifar Industrie Chimiche Del Trentino S.p.A. in respect of which an opposition was entered by Gruppo Lepetit S.p.A. has been treated as abandoned.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge,

Government of India, Central Book Depot, 8, Hastings Street,  
Calcutta, at two rupees per copy :—

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## Chemical List; No.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1977 generally on account of want of requests for licences to work the patented invention. Persons who are interested to commercially work the said Patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee	Brief title of the invention
(1)	(2)	(3)	(4)	(5)
1.	76723	20-4-1972	Pfizer Corp., Calle 152 Arenida Santa Isabel, Panama.	Preparing 6-substituted-3-(trifluoro-ethyl)-1,1-dimethyl-7-sulfonyl 3-4-dihydro benzo-1,1-dioxo-1-thia-2,4-diazines.
2.	77133	20-4-1972	Laboratories D' Analyses, 20 Rue de Commerce, Riem France.	Thienyl-phenyl-ethyl (N-methy-morpho-linil n) carbinal & salts thereof.
3.	77284	20-4-1972	Parke Davis & Co., Joseph Campan Avenue at River, Detroit Michigan U.S.A.	Authramilic acid derivatives.
4.	77285	20-4-1972	Do.	Do.
5.	77900	20-4-1972	Eli Lilly & Co., South Alabame St., Indianapolis, U.S.A.	Capreomycin and acid addition salts thereof.
6.	78001	20-4-1972	Mallindrodt Chemical Works, 3600 North Second Street, Saint Louis, Missoml, U.S.A.	Novel isophthalic acid derivatives.
7.	78449	20-4-1972	Hoechst AG. 6230 Frankfut Mann, 80, Fed. Rep. of Germany.	Aromatic diisothiocyanates.
8.	79384	20-4-1972	American Home Products Corp., 685, Third Avenue, New York.	New penicillin derivatives and pharmaceutically accepted salts thereof.
9.	79443	20-4-1972	Pfizer Inc. 235 E 42nd Street, New York.	Preparation of 6-methylenc-5-oxytetracycline.
10.	79544	20-4-1972	Sterling Drug Inc. , 90 Park Avenue, New York.	1, 2, 3, 4, 5, 6 hexahydro-2 6-methano-3-benzazincine.
11.	79986	20-4-1972	Do.	1, 8-naphyridines.
12.	80003	20-4-1972	F. Hoffmann La. Roche & Co., Ag., 124-184 Grenzacherstrasse, Basle, Switzerland.	Novel ethers.
13.	80348	20-4-1972	Parke, Davis & Co., Joseph Campan Avenue at River, Detroit, Michigan, U.S.A.	Salts of 4, 6-diamino-1, 2-dihydro-2-lower alkyl-1-aryl-0-triazines with 4, 4'-methylenebis-(3-hydroxy-2 naphthionic acid).
14.	80677	20-4-1972	Eli Lilly & Co., South Alabame St. Indianapolis, U.S.A.	Novel alkaloids.
15.	80852	20-4-1972	Do.	Bolycyclic aromatic diene compounds.
16.	80953	20-4-1972	The Up John Co., Henrietta . Str. Kalamazoo, Michigan, U.S.A.	Lincomycis.
17.	81049	20-4-1972	The Wellcome Foundatron Ltd. Euston Road, London.	Purification of polymyxins.
18.	81072	20-4-1972	C S I R, Rafi Marg, N. Delhi.	Hydrogenation catalyst.

(1)	(2)	(3)	(4)	(5)
19.	81462	20-4-1972	American Home Products Corp., 685 3rd. Avenue. New Delhi.	Benzodiazapine compounds.
20.	82373	20-4-1972	Pfizer corp., Calle 15½, Avenida Santa Isabel, Colon, Panama.	Production of 2-oxo-3 (N-Disubstituted hexahydro-11 carboxamido 1, 2, 3, 4, 6, 7-4-benzopyridine) organic ring nitrogen compounds.
21.	82435	20-4-1972	Do.	Do.
22.	82472	20-4-1972	Eli Lilly & Co., South Alabama Str. Indianapolis, U.S.A.	New cephalosporin compounds.
23.	82567	20-4-1972	The Wellcome Foundation Ltd., London.	Manufacture of prolonged release pharmaceutical tablets.
24.	82605	20-4-1972	Spofa Spojene Podniky, Prague Czechoslovakia.	New derivatives of 6-11 dihydrodibenz (BE) thiopiss.
25.	82813	20-4-1972	Parke Davis & Co., Detroit, Michigan, U.S.A.	1-(2-pyridyl)-1-propene compound.
26.	83880	20-4-1972	The Wellcome Foundation Ltd., London.	Obtaining of satisfactorily stable attenuated measles virus vaccine.
27.	83900	28-8-1962	Monsanto Co., 800 North Immbegh, Blvd. Missouri, U.S.A.	Aqueous detergent slurry composition.
28.	84106	20-4-1972	Merckel Smith, Pennsylvania, U.S.A.	18-Romo-19-nortestosterone esters on their 3-enolalylate.
29.	84235	20-4-1972	Dentsch Gold, Weuss franenstrasse Frankfurt (Maiss) Fed Rep of Germany.	Azophenolthiazines.
30.	84329	20-4-1972	American Home Products Corp., 685 3rd Avenue, New York.	Substituted cyclo alkanoindoles.
31.	84332	20-4-1972	N. V. Janssen Pharmaceutica, 30 Berne, Belgium	1-arylalkyl-4-(N-arylalkan-amido) piperidines
32.	84680	20-4-1972	Herchel Smith, Wayne, Pennsylvania, U.S.A.	1-4-dihydro-aromatic steroid compounds.
33.	84683	20-4-1972	Do.	17-alkyl steroid ketones related to 19-nortestosterone.
34.	85119	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
35.	85120	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
36.	85121	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
37.	85122	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
38.	85123	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
39.	85124	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
40.	85125	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
41.	85126	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
42.	85127	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
43.	85128	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.

(1)	(2)	(3)	(4)	(5)
44.	85130	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
45.	85131	20-4-1972	Parke Davis & Co., Joseph Compau, Detroit, Michigan, U.S.A.	N-(2, 3-dimethyl phenyl) anthranilic acid.
46.	85380	20-4-1972	Knoll AG, Ludwigshafen on Rhine, Federal Republic of Germany.	Basically substituted phenylacetanitriles.
47.	85493	20-4-1972	N. V. Komiklyke, Meppel, Netherlands.	N-methylamine ethyl-2-methylbenz hydryl ether.
48.	85997	20-4-1972	Bristol Myers, Co. U.S.A.	Penicillin.
49.	86156	20-4-1972	C S I R, Rafi Marg, New Delhi.	Basic amides of pharmacological interest.
50.	87276	20-4-1972	Deutsche Gold, 9 Weiss Frankfurt Main, Federal Republic of Germany.	Pyridine derivatives.
51.	87732	20-4-1972	Nippen Soda Kabushiki Kaisha, Otemachi, Tokyo To, Japan.	2-Chome, Aryl N-substituted thionocarbomates.
52.	87733	20-4-1972	Do.	Do.
53.	87850	20-4-1972	The Wellcome Foundation Ltd., Euston Road, London.	Potentiation of the antimetabolic activity of a preparation containing 7 6-substituted purins.
54.	87937	20-4-1972	American Home Products Corp., 685 3rd Avenue, New York.	1, 3-dihydro-5-aryl-3-carboxy acyloxy-2H-1, 4-benzodiazepin-2-one-compound.
55.	88014	17-5-1963	Monsanto Co., 800 North Lindbergh Blvd. St. Louis, Missouri 63186, U.S.A.	Detergent composition.
56.	88350	20-4-1972	F. Hoffmann La Roche & Co., AG, 124-184 Grenzacherstrasse, Basle, Switzerland.	Sulfonamides.
57.	88403	13-6-1963	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri, 63186, U.S.A.	Rigid polyvinyl chloride composition having improved physical properties.
58.	88563	22-6-1963	Food Techniques Inc. San J & c, California, U.S.A.	Treating oleaginous seed.
59.	88612	25-6-1963	F. Hoffmann La Roche & Co. Ag, 124-184 Grenzacherstrasse, Basle, Switzerland.	V-S unsaturated carbonyl compounds.
60.	89012	20-4-1972	Rhone Poulenc SA., 22 Avenue, Montaigne, Paris, France.	Steroid compounds.
61.	89325	20-4-1972	C S I R, Rafi Marg, New Delhi.	N-palaoacyl-2, 3-dihydro-1, 4-benzoxazine.
62.	89435	20-4-1972	American Home Products Corp., 685 3rd Avenue, New York.	Benzodiazepine compounds.
63.	89487	20-4-1972	The Wellcome Foundation Ltd., Euston Road, London.	Vaccines.
64.	89620	20-4-1972	American Home Products Corp., 685 3rd Avenue, New York.	Liquid infant food composition.
65.	90039	20-4-1972	C S I R, Rafi Marg, New Delhi.	Novel heterocyclic amides.
66.	90071	20-4-1972	Scherico Ltd., 56 Lucerne Switzerland.	Novel antibiotics.
67.	90276	20-4-1972	Farbwerke Hoechst AG, 45 Brunning strasse, Frankfurt Main, F R G.	Sulfonyl anthranilic acid.
68.	90323	15-10-1963	Toyo Sani Kabushiki Kaisha, No. 18, 2-chome Marunouchi, Tokyo Japan.	Processing bast fibres.
69.	90561	1-11-1962	May & Baker Ltd., Dagenham, Essex, England.	Imidazole derivatives.

(1)	(2)	(3)	(4)	(5)
70.	90561	20-4-1972	Roussel Uclaf 35 Blvd des Invalides, Paris.	Purification of dimethylbenzimidazolyl adenosylcobamide coenzyme.
71.	90745	20-4-1972	Imperial Chemical Industries Ltd., London S. W. 1, England.	Naphthalene derivative.
72.	90980	26-11-1963	The Wellcome Foundation Ltd., 183-193 Euston Road, London.	Sulphomethyl polymyxin
73.	91088	20-4-1972	I.C.I. Ltd. Imperial House, London	Alkanolamine derivatives.
74.	91354	20-4-1972	Spofa Spojene Podniky No. 11a, Husnecka	3, 5-dioxo pyrazolidine derivative
75.	91368	20-4-1972	Delmar Prague 3 Czechoslovakia. Chemicals Ltd., Victoria Street, Lachine Quebec, Canada.	Imidazole derivatives
76.	91581	20-4-1972	Lab Hansananna AG, St. Gallen, 1, Switzerland.	Preparing therapeutically useful composition.
77.	92317	20-4-1972	Meiji Seika Kaisha Ltd., No. 8, 2-chome Kyobashi, Chuoku, Tokyo, Japan.	Blasticidir S by cultivation of novel strain of streptomycin.
78.	92480	20-4-1972	Crown Zellerbach Corp. 1 Bush Street, San Francisco, California U.S.A.	Membrane penetrant-composition.
79.	92573	20-4-1972	Behringwerke AG., Federal Republic of Germany.	Production of foot and mouth disease viruses adapted to tissue cultures.
80.	92692	26-4-1972	Chinoin Gyogyszer Es Vegyeszeti, Termek Gyara RT. 1-5- to Utea Budapest-1, Hungary.	Oxidiazole derivatives.
81.	92713	10-3-1974	Union Carbide Corp. 270 Park Avenue, New York.	Demineralisation of water by ion-exchange resins.
82.	92884	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road, London.	Amidines.
83.	92996	20-4-1972	Farbwerke Hoechst AG, Frankfurt Main, FRG.	Sulfamylanthranilic acids.
84.	93409	20-4-1972	Pfizer Inc. 235 East, 42nd Street, New York.	Substituted thioxanthenesulfonamide.
85.	93652	20-4-1972	Herchel Smith, 500 Chestnut lane, Wayne U.S.A.,	Gonadienone compounds.
86.	93724	20-4-1972	C.S.I.R., Rafi Marg, New Delhi	Substituted 2, 3-dihydro-4H-4-benzoxazines.
87.	93832	28-8-1962	Monsanto Co., 800 North Lindbergh Blvd., Missouri 613166, U.S.A.	Inorganic phosphate composition of hard dried detergent.
88.	93897	22-5-1964	Ciba of India Ltd., Aarey Road, Goregaon, Bombay.	New diazacycloalkanes.
89.	94209	11-6-1964	Behringwerke AG., Marburg/Lahn, F.R.G.	Vaccine against foot and mouth disease.
90.	94668	20-4-1972	The Upjohn Co., 301 Henrietta Str. Michigan, U.S.A.	New polymorphic form lincomycin hydrochloride.
91.	94764	20-4-1972	American Home Products Corp. 685 3rd Avenue, New York.	Anhydrous ampicillin
92.	94766	20-4-1972	C.S.I.R., Rafi Marg, New Delhi	Jatamansi root oil & isolation of a cromarin constituent therefrom.
93.	94909	20-4-1972	Dequssa Gold, Frankfurt (Main), Weisfranensstrasse 9, Fed. Republic of Germany.	New Pharmaceutically active compounds.
94.	95017	3-8-1964	Polylok Corp. 110W, 34 Street, New York.	Fabric

1	2	3	4	5
95.	95140	20-4-1972	American Home Products Corpn. 685, Third Avenue, New York.	X—17 Keto-13 B-alkyl-gona-1, 3, 5(10) triene.
96.	95909	20-4-1972	Pfizer Inc., 235 E, 42 nd street, New York.	Novel aminoalkyl phosphorous compunds.
97.	96120	30-10-1963	Laporte Chemicals Ltd., King way, Luton, Bedfordshire, England.	Hydrogen peroxide.
98.	96283	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N.W.1.	Cell culture.
99.	96418	6-11-1964	Hoechst AG., 6230 Frankfurs/Main 80, W. Germany.	Benzene sulfonyl ureas.
100.	96655	23-11-1964	Monsanto Co. 800 N. Lindbergh Blvd., St. Louis, Missouri, 63166, U.S.A.	Making monomeric aromatic azo alkine compound so obtained and herbicidal composition containing the same.
101.	96714	20-4-1972	American Home Products Corpn. 685 Third Avenue, New York.	3-acylamido-5 (aryl or heteroaryl)-7, dihydro-2H-1, 4-benzodiazepin-2,ones.
102.	96757	30-11-1964	Monsanto Co. 800 N. Lindbergh Blvd., St. Louis, Missouri, 63166, U.S.A.	Polymerizing lactapms.
103.	96773	20-4-1972	Crown Zellerbach Corpn. California, U.S.A.	Treatment of dialkyl Sulfoxides.
104.	96816	2-12-1964	Monsanto Co., 800 N. Lindbergh Blvd., St. Louis, Missouri, 63166, U.S.A.	Herbicidal composition containinn the same.
105.	97563	20-4-1972	Pfizer Corpn. Calle 15½ Avemida Santa Isabel, Colon, Panama. U.S.A.	2-alkyl thiophenes.
106.	97931	15-2-1965	Farbwerke Hoechst AG. 45 Bruning strasse, Frankfurt/Main Federal Republic of Germany.	Sulfamylanthranilic acid.
107.	98240	2-3-1965	Monsanto Co., 800 N. Lindbergh Blvd., St. Louis, Missouri, 63166, U.S.A.	Herbicidal N, N-diacylarnilide
108.	98241	2-3-1965	Monsanto Co., 800 N. Lindbergh Blvd., St. Louis, Missouri, 63166, U.S.A.	Herbicidal N-formyl X-haloacetanilides.
109.	98913	9-4-1965	Dr. Beck & Co., (India) Ltd., India.	Polyestenimide resins.
110.	99178	24-4-1965	Oxys ynthese Societe Anonyme, 6 rue Cognacjay, Paris 7.	Hydrogen peroxide.
111.	99227	20-4-1972	Janssen Pharmaceutica N.V., Turnhout-sebaan 30, Beerse, Belgium.	Imidazo [2, 1-b] thiazoles.
112.	99313	20-4-1972	Meiji Seika Kaisha Ltd., No.8 Kyobashi, Chuo-ku- Tokyo, Japan.	2-chome New antibiotic substance ohyamycin.
113.	99390	20-4-1972	Unilever Ltd., Post Sunlight, Chester, England.	Prostaglandins.
114.	99460	20-4-1972	Mundipharma AG., Kaiserstrasse 4, Rheinfelden, Switzerland.	Sennoside derivatives.
115.	99587	20-4-1972	CSIR, Rafi Marg, New Delhi.	N-DI-N-'propylamino-ethyl-O-methoxy phenyl ether & its salts.
116.	99702	20-4-1972	American Home Products , Corpn. 685 3rd Avenue, New York.	Substituted phenyleryl ketones.
117.	99712	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road, London N.W. 1	Stable solution of insulin.
118.	998146	20-4-1972	American Cyanamide Co., Wayne, New Jersey, U.S.A	Lower alkoxy pyridyl acetones.

1	2	3	4	5
119.	100051	20-4-1972	Clin-Midv, 20 Rue des Fosses Saint Jacques, Paris.	Benzodiazepine derivatives.
120.	100123	20-4-1972	Parke, Davis & Co., Michigan, U.S.A.	Anthranilic acid derivatives.
121.	100174	20-4-1972	Parke, Davis & Co., Michigan, U.S.A.	2 methyl amino-2-(O-chlorophenyl)-cyclohexanone, and acid addition salts thereof.
122.	100262	24-6-1965	Ciba-of India Ltd., Aarey Road, Goregaon, Bombay.	10-aminoalkyl-11-x-10, 11-dihydro-dibenzo E h, f I [1,4,] oxazepins.
123.	100331	24-6-1965	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N.W. 1.	Novel amines.
124.	100430	24-6-1965	Spofa Spojene Podniky, 11a Husinec, 3, Czechoslovakia.	Isolation of bacitracin.
125.	100790	24-6-1965	Ceskoslovenska Akademik Ved. No. 3, Narodni Praha. Czechoslovakia	Peptides with anti-shock activity.
126.	100901	24-6-1965	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N. W. 1.	Preparing guanadines.
127.	100953	24-6-1965	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N.W.1.	N-benzyl-N'-N"-dimethyl guanadines.
128.	101016	24-6-1965	The Wellcome Foundation Ltd., 183-193 Euston Road, London, N.W.1.	N-methyl glucammonium salicylate.
129.	101316	24-6-1965	Pfizer Inc., 235 E. 42nd Street, New York.	Schiff bases.
130.	101823	30-10-1965	Monsanto Co. 800N Lindbergh Blvd., St. Louis Missouri, 63166, U.S.A.	Coating Composition containing cross-linkable polyamide dissolved in phenolic solvent.
131.	101824	20-4-1972	Herchel Smith, Delaware U.S.A.	Steroid compounds.
132.	3101859	20-4-1972	Kabushiki Kaisha Yakult Honsha, 3 Chome, Nihonbashi, Tokyo, Japan.	Industrial cultivation of unicellular green algae.
133.	101860	20-4-1972	Kabushiki Kaisha Yakult Honsha, 3 Chome, Nihonbashi, Tokyo, Japan.	Industrial cultivation of unicellular green algae.
134.	102142	19-10-1965	F. Hoffmann La Roche & Co. AG., 124-184, Grenzachstrasse, Basle, Switzerland.	Pyrimidine derivatives.
135.	102233	20-4-1972	Pfizer Inc 235, E, 42nd street New York.	5-nitromidazole derivatives.
136.	102546	16-11-1965	Caporte Chemicals Ltd., Kingsway, Ohio, Luton, England.	Hydrogen peroxide.
137.	102909	20-4-1972	Deutsch Gold, 6 Frankfurt (Main) Basic 1, Postfach, 3993, W. Germany.	Basic substituted alkyl xanthine derivatives.
138.	103066	20-4-1972	C.S.I.R., Rafi Marg, New Delhi.-1.	N-substituted anthranilic acid derivatives.
139.	103168	20-4-1972	Imperial Chemical Industries Ltd., Imperial Chemical House, London.	Purification of impure halothane.
140.	103184	20-4-1972	Ciba-Geigy of India Ltd., Goregaon, Bombay.	Diazacycloalkane compounds.
141.	103305	20-4-1972	Elli Lilly Co., South Alabama Street, Indiana, U.S.A.,	New cephalosporin compounds having antibiotic activity.
142.	103306	20-4-1972	Elli Lilly Co., South Alabama Street, Indiana, U.S.A.	Cephalosporin CA antibiotics.
143.	103331	6-1-1965	Western Titanium N. L., 100 Collins street, Melbourne, Australia.	Treating heavy mineral concentrate for the purpose of removing staining.
144.	103472	20-4-1972	The Up John Co. Michigan, U.S.A.	Making halogenated lincomycin derivatives.



145	103473	20-4-1972	The Up John Co., Michigan, U.S.A.	Making halogenated lincomycin derivatives.
146	103779	5-1-1966	Chiyoda Kakokensetsu Kabushiki Kaisha, Tokyo Japan	Methylal chloride.
147	103794	7-2-1966	Ciba of India Ltd., Goregaon Bombay.	4-piperazino alkanoyl-1-bicyclic heterocyclic-pyrazole.
149.	103975	20-4-1972	Elli Lilly Co., South Alabama Street, Indiana, U.S.A.	Antibiotic.
149.	104735	20-4-1972	Dentsche Gold, Frankfurt (Main), Federal Republic of Germany.	Amino ketones.
150.	104814	20-4-1972	F. Hoffmann-La Roch & Co., AG., Basle, Switzerland.	Racemic mixture into the optical antipodes.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the Patents.

##### No. & Title of the invention

- 89927 (20-4-72) Process for the manufacture of diethyl aminoethyl Beta (1-naphthyl) corporate.
- 92996 (20-4-72) Process for pusulfamylanthranilic acids.
- 92227 (20-4-72) Process for preparation of imidazo [2, 1, 6] thiazoles.
- 99315 (20-4-72) Process for production of trans 4. amino-methylcyclohezene-1-carboxylic acid.
- 100123 (20-4-72) Method of producing anthranilic acid derivatives.
- 107244 (20-4-72) A process for preparation of isothiocyanates of biological interest.
- 107987 (20-4-72) A process for manufacture of polymeric guanidines.
- 113812 (20-4-72) Process for preparation of 7-(pyridylmer captoacetamilocephalo sporanic compounds.
- 116359 (20-4-72) Process for preparation of N-[tent amino-alkyl]-2-(alkanyl or alkynyl) oxybenzamides and Pharmaceutically accepted salts thereof.
- 117534 (20-4-72) Process for preparing penicillin compounds.
- 119086 (20-4-72) Preparation of 1-(2-oxy-3-substituted amino-propoxy) phenyl alkanones.
- 119782 (20-4-72) Process for production of N<sup>1</sup>-(p-amino-benzenesulfonyl)N<sup>3</sup>-(4, 5-dimethyl oxalyl-(2)) guanidines.
- 121874 (20-4-72) Process for preparation of progestational compounds.
- 129251 (20-4-72) Process for synthesis of 3, 8-disubstituted 4-oxopenhydro (1, 2-c) piperaziopysimidines.
- 130163 (20-4-72) A method of producing oral effective analgesic compound.
- 134546 (9-2-72) Improvements in or relating to chemical refining graphite having 1% mineral matter.
- 135196 (7-4-72) Process for preparation of aqueous acid solution for washing and bleaching.
- 136272 (29-5-73) Process for the preparation of 3-nitro-4-aminofluene.
- 136300 (8-5-72) Bleaching of khakan fat,

136331 (12-6-73) Manufacturing process for the native microbial protein with low content of nucleic acids useful as food or feed.

136337 (26-4-72) Process for the manufacture of polyazodyestuffs.

136403 (14-11-73) Process for production of carbomoyl 541 foxide compounds.

#### RENEWAL FEES PAID

91568 91569 91616 91934 91946 91981 97020 97140 97422  
 97486 97487 97490 97520 97615 102969 103132 103177  
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#### CESSATION OF PATENTS

119273 119289 119308 119311 119322 119344 119368 119384  
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 119642 119647 119674 119699 119732 119749 119753 119768  
 119770 119788 119815 119820 119834 119836 119837 119846  
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 120324 120325 120338 120382 120404 120410 120415 120417  
 120434 120437 120454 120455 120476 120478 120496 120498  
 120510 120990 123479 140708 141247

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 103979 granted to Uniroyal Inc. former known as United States Rubber Company for an invention relating

to "Fungicidal compositions suitable for protecting seeds and seedlings". The Patent ceased on the 21st Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 103980 granted to Uniroyal Inc. formerly known as United States Rubber Company for an invention relating to "Process for the preparation of 2, 3-dihydro-5-carboxamido-6-methyl-1, 4-oxathins suitable for protecting seeds and seedlings". The Patent ceased on the 21st Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th September, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 103981 granted to Uniroyal Inc. formerly known as United States Rubber Company for an invention relating to "process for the preparation of oxathiin sulfoxides or sulphones suitable for protecting seeds and seedlings". The Patent ceased on the 21st Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 103982 granted to Uniroyal Inc. formerly known as United States Rubber Company for an invention relating to "Fungicidal composition suitable for protecting seeds and seedlings". The Patent ceased on the 21st Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of

Patent No. 104532 granted to Tien Chioh Tso and George Steffens for an invention relating to "Compositions for inhibiting the growth of suckers in tobacco plants". The Patent ceased on the 25th March 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th November 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 113388 and its patent of Addition No. 127757 granted to Ram Narain Kher for an invention relating to "Air cooler". The Patent ceased on the 29th Nov. 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 16th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 125207 granted to Uniroyal Limited for an invention relating to "Furan-3-carboxamide derivatives and method of preparing same". The Patent ceased on the 9th Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th September 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138742 granted to Fierro Esponja S.A. for an invention relating to "Apparatus for reducing particulate ore". The Patent ceased on the 6th Nov. 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 5th August 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140583 granted to The Rubber Research Institute of Malaya for an invention relating to "dispersable natural

rubber". The Patent ceased on the 16th Nov. 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25th November 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 140630 granted to Pfizer Inc. for an invention relating to "process for the preparation of methyl 3-(2-quinoxalinylmethylene) carbazate N1, N4-dioxide". The Patent ceased on the 19th Nov. 1977 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th December 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141054 granted to Nirmal Narendra Saigal for an invention relating to "heavy fuel vaporizer for internal combustion engine". The Patent ceased on the 7th June 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th November 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141081 granted to Industrie Pirelli S.p.A. for an invention relating to "pneumatic tyres". The Patent ceased on the 4th Feb. 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 30th December 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 13th March 1979 under Rule 69 of the Patents Rules, 1972. A written

statement in triplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 146759. Brass Arts (India) Private Limited, of 38/39, Jay Bibi Road, Ghosury, Howrah, State of West Bengal, India, a Company incorporated in India. "Chair". March 1, 1978.

Class 1. No. 146762. Brass Arts (India) Private Limited, of 38/39, Jay Bibi Road, Ghosury, Howrah, State of West Bengal, India, a Company incorporated in India. "Back support for a chair". March 1, 1978.

Class 1. No. 146763. Brass Arts (India) Private Limited, of 38/39, Jay Bibi Road, Ghosury, Howrah, State of West Bengal, India, a Company incorporated in India. "A seat for a chair". March 1, 1978.

Class 1. No. 146795. Uttarakhand Tools Udyog, Mini Ki Reti Rishikesh, U.P., an Indian Proprietorship concern. "A fresher". March 10, 1978.

Class 1. No. 146811. National Engineering & Scientific Company, P.O. Gopalapatnam, Visakhapatnam-530 027, Andhra Pradesh, an Indian Proprietary Concern. "A twin-burner kerosene gas stove". March 15, 1978.

Class 3. Nos. 146760 & 146761. Brass Arts (India) Private Limited, of 38/39, Jay Bibi Road, Ghosury, Howrah, State of West Bengal, India, a Company incorporated in India. "Back support for a chair". March 1, 1978.

Class 3. No. 146764. Brass Arts (India) Private Limited, of 39/39, Jay Bibi Road, Ghosury, Howrah, State of West Bengal, India, a Company incorporated in India. "A seat for a chair". March 1, 1978.

Class 4. Nos. 146899 to 146904. Globe Auto Industries, 63-64, Gokhale Market, Delhi-110054, an Indian Partnership Concern. "Head lamp glass for motor vehicle". April 5, 1978.

Class 4. No. 146905. Globe Auto Industries, 63-64, Gokhale Market, Delhi-110054, an Indian Partnership Concern. "Fog light glass for motor vehicle". April 5, 1978.

### CANCELLATION OF THE REGISTRATION OF DESIGNS (SECTION-51A)

An application has been made by Nawal Kishore and Ram Kishore trading as M/s. Nawal Kishore Ram Kishore for cancellation of the registration of Design No. 146093 in Class I in the name of Kundan Lal & Sons.

S. VEDARAMAN

Controller-General of Patents, Designs and Trade Marks.